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## NOTICE OF ALLOWANCE AND FEE(S) DUE

22852 7590 09/13/2010

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER

901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413 EXAMINER

CHAMBERS, TANGELA T

ART UNIT PAPER NUMBER

2617 DATE MAILED: 09/13/2010

10/560.425		Armando Annunzisto	09952.0015	8850	
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	

TITLE OF INVENTION: METHOD FOR THE LOCATION OF MOBILE TERMINALS, RELATED SYSTEMS AND TERMINAL, COMPUTER PROGRAM PRODUCTS THEREOF

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/13/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

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10/560,425	12/14/2005	E 100.00		Armando Annunzia		T LOTED OFFICER		09952.0015	ene corre	8859
TITLE OF INVENTION PROGRAM PRODUCTS		E LOCATI	ON OF MO	OBILE TERMINALS	, RE	LATED SYSTEM	1S AN	D TERMINAL, COI	MPUTER	
APPLN, TYPE	SMALL ENTITY	ISSUE F	EE DUE	PUBLICATION FEE I	UE	PREV. PAID ISSUE	SUE FEE TOTAL FEE(S) DU		I	DATE DUE
nonprovisional	NO	\$15	510	\$300		\$0		\$1810	1	12/13/2010
EXAMI	INER	ART	UNIT	CLASS-SUBCLASS	3					
CHAMBERS,	TANGELA T	26	2617 455-456600							
1. Change of correspondence address or indication of "Fee Address" (3 CFR 1.365).  CFR 1.365).  Change of correspondence address (or Change of Correspondence Address form FTO/SBI 122) attached.  The Address' indication (or "Fee Address" Indication form FTO/SBI 47; Rev 03-02) or more recent) attached. Use of a Custom Number is required.				2. For printing on the patent front page, list (1) the aames of up o 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorneys or agents and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.						
3. ASSIGNEE NAME AN PLEASE NOTE: Unle recordation as set forth (A) NAME OF ASSIG	ess an assignee is identi in 37 CFR 3.II. Comp				he pag an a	ntent. If an assign assignment. and STATE OR C	OUNT	RY)		
Please check the appropri	ate assignee category or	categories (v	will not be p	rinted on the patent):		Individual 🚨 Co	rporatio	on or other private gro	up entity	Government
4a. The following fee(s) are submitted:    Issue Fee   Publication Fee (No small entity discount permitted)   Advance Order - # of Copies				b. Payment of Fee(s):  A check is enclose Payment by credi The Director is he overpayment, to 1	ed. it care	i. Form PTO-2038	is attac	ched. equired fee(s), any de	ficiency, o	
<ol> <li>Change in Entity Stat</li> <li>a. Applicant claims</li> </ol>	us (from status indicated SMALL ENTITY statu		R I.27.	☐ b. Applicant is no	long	ger claiming SMAI	LENT	TTY status. Sec 37 Cl	R 1.27(g)	)(2).
NOTE: The Issue Fee and interest as shown by the re	l Publication Fee (if requeecords of the United Sta	iired) will no tes Patent an	ot be accepte d Trademark	d from anyone other to Office.	han th	ne applicant; a regi	stered a	ttorney or agent; or th	e assigned	or other party in
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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
10/560,425	1	2/14/2005	Armando Annunziato	09952.0015	8859			
22852	7590	09/13/2010		EXAMINER				
FINNEGAN, I	IENDER	CHAMBERS, TANGELA T						
LLP		ART UNIT PAPER NUMBER						
901 NEW YORI WASHINGTON		2617						

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 480 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 480 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

# Application No. Applicant(s) 10/560,425 ANNUNZIATO ET AL Notice of Allowability Examiner Art Unit TANGELA T CHAMBERS 2617 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to August 4, 2010. 2. The allowed claim(s) is/are 27-52. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some\* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). \* Certified copies not received: \_\_\_\_\_. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material 9. ☐ Other .

/Tangela T. Chambers/ Examiner, Art Unit 2617

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# REASONS FOR ALLOWANCE

1. This action is in response to the remarks and arguments filed on 8/04/2010.

# Allowable Subject Matter

Claims 27-52 are allowed over the prior art

The following is an examiner's statement of reasons for the indication of allowable subject matter:

The arguments as filed by the applicant overcome the prior art of record which fails to teach either singularly or in proper combination the limitations as recited within the independent claims of the application.

Riley et al (US Patent Publication No. 2003/0125046 A1), Phelts et al (US Patent No. 2002/0101912 A1) and Hoshino et al (Hoshino) (US Patent No. 6,081,230 A) in combination disclose a mobile terminal measuring radio-electric signals to derive measurements which are affected by measurement errors and subjecting the measurements to state-based statistical filtering. The state-based statistical filtering comprising selecting at least part of a set of reference elements as terrestrial reference elements, providing a first state representative of at least one location coordinate, providing a second state representative of measurement errors and using the first state and the second state in the state-based statistical filtering to determine at least one location coordinate or the mobile terminal.

However, as recited in the arguments, although the references disclose non-zero mean measurement errors, the non-zero mean errors disclosed are not represented by a state provided in a state-based statistical filter and are not calculated by a state-based statistical filter as recited in the independent claims.

Therefore, the prior art of record either singularly or in combination fails to teach the above claimed limitations for claims 27, 34-35, 43-44 and 50-52 and is therefore the reason for allowance. Claims 28-33 are dependent on claim 27; claims, 36-42 are dependent on claim 35; and claims 45-49 are dependent on claim 44; therefore, the dependent claims are allowed under the same reasons set forth above.

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## Conclusion

The prior art considered pertinent to applicant's disclosure is made of record and listed on form PTO-892.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TANGELA T. CHAMBERS whose telephone number is (571)270-3168. The examiner can normally be reached on Monday through Thursday, 10:00am-6:30om Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nick Corsaro can be reached on 571-272-7876. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Tangela T. Chambers/
Patent Examiner. Art Unit 2617

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/NICK CORSARO/

Supervisory Patent Examiner, Art Unit 2617